

# Reza Ashrafi

## List of Publications by Year in descending order

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papers

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all docs

25  
docs citations

25  
times ranked

317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subwavelength grating enabled on-chip ultra-compact optical true time delay line. Scientific Reports, 2016, 6, 30235.	3.3	69
2	Single-shot photonic time-intensity integration based on a time-spectrum convolution system. Optics Letters, 2012, 37, 1355.	3.3	39
3	Terahertz bandwidth all-optical Hilbert transformers based on long-period gratings. Optics Letters, 2012, 37, 2604.	3.3	32
4	Fiber-Based Photonic Generation of High-Frequency Microwave Pulses With Reconfigurable Linear Chirp Control. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3312-3319.	4.6	31
5	Active Fabry-Perot cavity for photonic temporal integrator with ultra-long operation time window. Optics Express, 2014, 22, 3105.	3.4	30
6	Figure of merit for photonic differentiators. Optics Express, 2012, 20, 2626.	3.4	28
7	Ultrafast Optical Arbitrary-Order Differentiators Based on Apodized Long-Period Gratings. IEEE Photonics Journal, 2011, 3, 353-364.	2.0	21
8	Chirped Microwave Pulse Generation Using an Integrated SiP Bragg Grating in a Sagnac Loop. IEEE Photonics Technology Letters, 2015, 27, 1876-1879.	2.5	20
9	Superluminal space-to-time mapping in grating-assisted co-directional couplers. Optics Express, 2013, 21, 6249.	3.4	19
10	Ultrashort Flat-Top Pulse Generation Using On-Chip CMOS-Compatible Mach-Zehnder Interferometers. IEEE Photonics Technology Letters, 2012, 24, 1387-1389.	2.5	13
11	Experimental demonstration of superluminal space-to-time mapping in long period gratings. Optics Letters, 2013, 38, 1419.	3.3	12
12	Time-delay to intensity mapping based on a second-order optical integrator: application to optical arbitrary waveform generation. Optics Express, 2015, 23, 16209.	3.4	10
13	Coupling-Strength-Independent Long-Period Grating Designs for THz-Bandwidth Optical Differentiators. IEEE Photonics Journal, 2013, 5, 7100311-7100311.	2.0	9
14	Tsymbol/s Optical Coding Based on Long-Period Gratings. IEEE Photonics Technology Letters, 2013, 25, 910-913.	2.5	8
15	RF-Arbitrary Waveform Generation Based on Microwave Photonic Filtering. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	8
16	Tunable optical arbitrary waveform generation based on time-delay to intensity mapping. , 2014, , .		2
17	Silicon photonic subwavelength grating based integrated optical delay lines. , 2015, , .		2
18	Photonic integrated circuits for microwave photonics applications. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	All-Optical Pulse Shaping in the Sub-Picosecond Regime Based on Fiber Grating Devices. , 2017, , 257-292.		1
20	Recent advances in ultrafast all-optical signal processing and generation. , 2013, , .		0
21	Ultrafast optical signal generation and processing based on fiber long period gratings. , 2014, , .		0
22	Coherent optical pulse shaping from incoherent light sources. , 2014, , .		0
23	Integrated bandpass transmission filters based on Sagnac loops incorporating Bragg gratings in SOI. , 2015, , .		0
24	Active Fabry-Perot Resonator for Photonic Temporal Integrator. , 2013, , .		0
25	Time-domain optical signal processing based on discrete space-to-time mapping in cascaded co-directional couplers. , 2014, , .		0